

EXHIBIT 1

STACY A. FRIEDMAN

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SUMMARY

Creative technology product consultant with over 20 years' experience in product design, development, and IP strategy across several industry sectors, including enterprise software, mobile and online gaming, and casino gambling. Harvard degree in computer science, *magna cum laude*. Key product design resource for several small technology companies leading to over \$500M in total M&A activity.

Named inventor on over 30 U.S. Patents. Managing an IP portfolio of over 40 assets including patents and trademarks. *Pro se* and counsel-assisted patent prosecution including initial specification/claims drafting, office action responses, and appeal brief drafting. Successfully negotiated several IP transactions.

Subject matter expert consulting and expert witness testimony in nearly 40 disputes or litigations in US and internationally (Canada, UK, Costa Rica). Matters include patent infringement, trade secret misappropriation, USPTO proceedings (*inter partes* review, covered business method review, *ex parte* reexamination), breach of contract, criminal proceedings, and pre-litigation analysis. Over 50 written expert reports or declarations. Testimony at deposition, 6 times. Testimony at hearing or trial, 7 times, including appearances in U.S. district courts, U.S. state courts, and patent courts in UK and Canada.

Expert analysis tasks included: software source code review, review of specialty hardware (regulated gaming equipment), technical systems analysis, prior art search/analysis, regulatory compliance analysis, patent claim construction, patent validity and infringement, trade secret analysis, analysis of other experts' opinions.

EXPERT CONSULTANT EXPERIENCE

Patent infringement, electronic gaming machines

Client: plaintiff. Tasks: infringement analysis, validity analysis. 2018-ongoing.

***Inter partes* review, electronic gaming machines**

Client: patent owner. Tasks: validity analysis, expert declarations. 2018-ongoing.

Bookman v. Resorts World Casino, Genting New York and Int'l Game Technology (IGT), breach of contract & negligence, slot machine abnormality/withheld jackpot

Client: Alan Ripka for plaintiff. Tasks: technical investigation, expert affidavit. 2018-ongoing.

***Inter partes* review, networked gaming system**

Client: counsel for patent owner. Tasks: validity analysis. 2017-2018.

***Inter partes* review, slot machine method**

Client: counsel for petitioner. Tasks: prior art research, validity analysis, IPR declaration. 2017-ongoing.

Misappropriation of intellectual property, networked gaming machines

Client: counsel for plaintiff. Tasks: functional analysis of network-connected gaming machines, trade secret analysis, source code review. 2017-ongoing.

Compliance investigation, electronic gaming machines

Client: counsel for petitioner. Tasks: examine behavior of electronic gaming machines with respect to regulations and state court opinions. 2015-ongoing.

Int'l Game Technology (IGT) v. Aristocrat Technologies, patent infringement, gaming machines

Client: Covington Burling for defendant. Tasks: prior art research, validity analysis, IPR declarations. Disposition: confidential settlement. 2015-2016.

Misappropriation of intellectual property, networked gaming system

Client: counsel for plaintiff. Tasks: technical analysis, trade secret analysis. 2015-ongoing.

Patent infringement (pre-litigation), networked gaming system

Client: counsel for defendant. Tasks: validity analysis. Disposition: litigation averted due to my analysis. 2015.

International Internet Technologies, LLC v. Sweepstakes Patent Company, LLC, covered business method review, networked gaming system

Client: Schneider Rothman for patent owner. Tasks: validity and infringement analysis, written reports, deposition testimony. Disposition: patent found invalid during CBM review. 2015-2016.

Abnormality analysis, networked gaming machines

Client: counsel for defendant. Tasks: log file forensic analysis, source code analysis. Disposition: confidential settlement. 2015-2016.

MEI-GSR Holdings, LLC d/b/a Grand Sierra Resort v. Peppermill Casinos, Inc., misappropriation of trade secrets, slot machine par settings

Client: Robison, Belaustegui, Sharp & Low for defendant. Tasks: trade secret analysis, damages analysis, written reports, trial testimony. Disposition: jury verdict for defendant. 2014-2016.

MGT Gaming v. Aruze, patent infringement, slot machine system

Client: Watson Rounds for defendant. Tasks: claim construction analysis, declaration. Disposition: confidential settlement. 2014-2015.

SHFL Entertainment v. GTECH, patent infringement, online gaming system

Client: McCarter & English for defendant. Tasks: validity analysis. Disposition: confidential settlement. 2014.

Stephenson v. Worldwinner, *inter partes* review, networked tournament system patent

Client: Merchant & Gould for patent owner. Tasks: validity analysis, expert declaration, deposition testimony. Disposition: patent invalid for anticipation. 2013-2015.

Agincourt Gaming v. Zynga, patent infringement, network gaming system

Client: Quinn Emanuel Urquhart & Sullivan for defendant. Tasks: prior art research, validity analysis. Disposition: confidential settlement. 2013-2014.

eLot v. GTECH, patent infringement, networked lottery system

Client: Finnegan, Henderson, Farabow, Garrett & Dunner for defendant. Tasks: infringement analysis and validity analysis. Disposition: confidential settlement. 2013.

Big Daddy Games v. Reel Spin Studios, copyright infringement, gaming machines

Client: Michael Best for defendant. Tasks: source code analysis, written report, deposition testimony. Disposition: confidential settlement. 2012.

Seneca Nation of Indians v. State of New York, regulatory dispute, video lottery terminals

Client: Kanji & Katzen / Harter Secrest & Emery for plaintiff. Tasks: systems and network protocol analysis, gameplay analysis, regulation analysis, written reports, testimony at hearing. Disposition: public settlement of over \$600M dispute. 2012-2013.

Safe Gaming System Inc. v. Atlantic Lottery Corp., patent infringement, networked gaming system

Client: Borden Ladner Gervais for defendant. Tasks: infringement analysis, validity analysis, written reports, trial testimony (Federal Court of Canada). Disposition: dismissal / judgment for defendant. 2012-2018.

eLot v. Atlantic Lottery Corporation, patent infringement, Internet lottery system

Client: Borden Ladner Gervais for defendant. Tasks: infringement analysis, validity analysis, written report. Disposition: favorable settlement shortly after my report was submitted. 2012-2014.

Fortunet v. Playbook Publishing, misappropriation of trade secrets, proprietary wagering methods

Client: Watson Rounds for plaintiff. Tasks: evaluation of differences between wagering methods produced by both parties, written report, trial testimony. Disposition: jury verdict partly in favor of plaintiff. 2011-2013.

McKee v. Isle of Capri Casinos, breach of contract & consumer fraud, slot machine abnormality/withheld jackpot

Client: Donnelly Nelson Depolo Murray for plaintiff. Tasks: analysis of slot machine forensic report. My engagement was terminated when I disputed counsel's technical interpretations. Disposition: summary dismissal. 2011-2012.

Legal iGaming / Zynga v. Int'l Game Technology (IGT), patent interference, networked gaming system

Client: Morrison Foerster for senior party defendant. Tasks: patent analysis, expert declaration. Disposition: PTO verdict for defendant. 2011.

Gaming patent review (pre-litigation/confidential), networked gaming machine methods

Tasks: prior art research, infringement analysis, validity analysis. 2011.

Lottotron v. Allgames Casino, patent infringement, remote wagering system

Client: Stadheim Gear for plaintiff. Tasks: damages analysis and testimony at damages hearing. Disposition: plaintiff awarded damages over \$14M. 2011.

WMS Gaming v. Bally Technologies, patent infringement, slot machine technologies

Client: Quinn Emanuel Urquhart & Sullivan for defendant. Tasks: prior art research, validity analysis. Disposition: confidential settlement. 2011.

Lottotron v. EH New Ventures, patent infringement of remote wagering system

Client: Stadheim Gear for plaintiff. Tasks: Infringement analysis, written testimony, deposition testimony, trial testimony. Disposition: jury verdict for defendant. 2010-2012.

Compliance investigation, charitable bingo machines

Client: Thunderbird Casino, Costa Rica. Tasks: investigation and analysis of gameplay on electronic bingo machines relative to regulatory language, written report submitted to national legislator. 2010-2011.

Compliance investigation, charitable bingo machines

Client: Alabama Attorney General. Tasks: investigation and analysis of gameplay on multiple manufacturers' electronic bingo machines in view of Alabama Supreme Court ruling, pre-litigation technical support. Disposition: project terminated due to Governor's intervention. 2010.

State of California v. Wilkins, theft, casino loyalty club points

Client: Public Defender, Humboldt County, CA for defendant. Tasks: evaluation of casino accounting data, damages calculation, written testimony. Disposition: case settled for the amount I calculated. 2009-2010.

Dottie Janousek v. Canyon Casino, breach of contract, slot machine abnormality/withheld jackpot

Client: Helmer McElyea for plaintiff. Tasks: analysis of slot machine forensic report and supporting evidence, written testimony. Disposition: based on my testimony, plaintiff received satisfactory settlement. 2009.

Golden Route v. Ardent Gaming, breach of contract, casino accounting system

Client: John Peter Lee for defendant. Tasks: contract review, software specification review, system data analysis, written report. Disposition: confidential settlement. 2009.

Cranway v. Playtech (United Kingdom), patent infringement, online gaming system

Client: Herbert Smith for plaintiff. Tasks: infringement and validity analysis, written testimony and testimony at trial. Disposition: patent was found invalid as excluded matter under UK patent law. 2008-2009.

International Gamco v. Multimedia Games, patent infringement, video lottery system

Client: Luce, Forward, Hamilton & Scripps for defendant. Tasks: infringement and validity analysis, written testimony and deposition testimony. Disposition: summary judgment for defendant. 2006-2010.

Aristocrat Technologies v. Multimedia Games, patent infringement, video lottery machines

Client: Luce, Forward, Hamilton & Scripps for defendant. Tasks: infringement and validity analysis, written testimony and deposition testimony. Disposition: settled in favor of defendant shortly after my deposition was taken. 2006-2008.

HomeBingo v. Multimedia Games, patent infringement, electronic bingo system

Client: Fish & Richardson for defendant. Tasks: infringement and validity analysis, written testimony. Disposition: settled in defendant's favor after Judge, in Markman ruling, opined that defense construction was "in all respects, proper." 2006-2007.

State of Mississippi v. (unknown defendant), felony cheating at gambling

Client: Mississippi Gaming Commission. Tasks: provided statistical evidence for cheating vs. probability of random outcomes. Disposition: indictment handed down by grand jury. 2005.

PUBLICATIONS AND MEDIA INTERVIEWS

April 2014	Web radio interview for Casino Enterprise Management podcast "Casino Talk with Brooke Dunn" regarding new casino game concepts.
January 2011	Video interview for CBS News show "60 Minutes" regarding video slot machine gameplay. Published on the CBS News website.
March 2010	Written article in Casino Journal: "Gaming's Greatest Hits: 6 Ideas that Changed the Industry"
March 2007	Radio interview for National Public Radio show "Justice Talking" regarding slot machine design and mathematics.